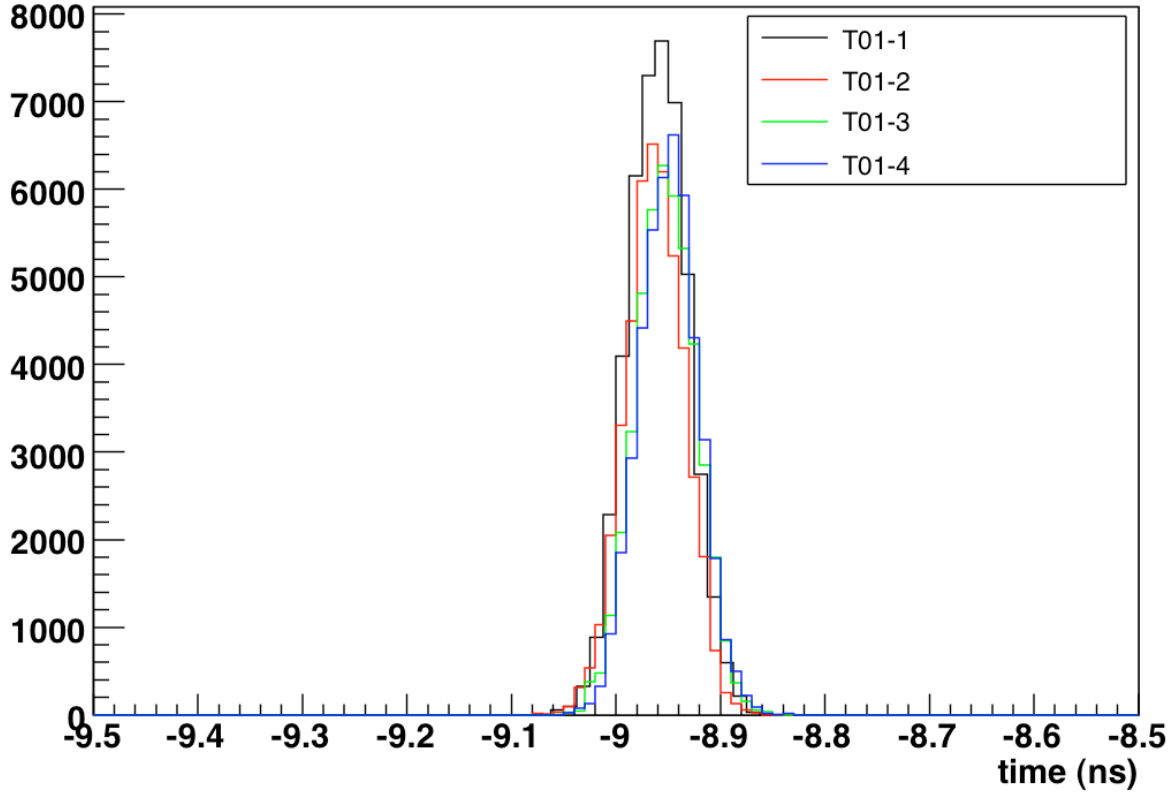
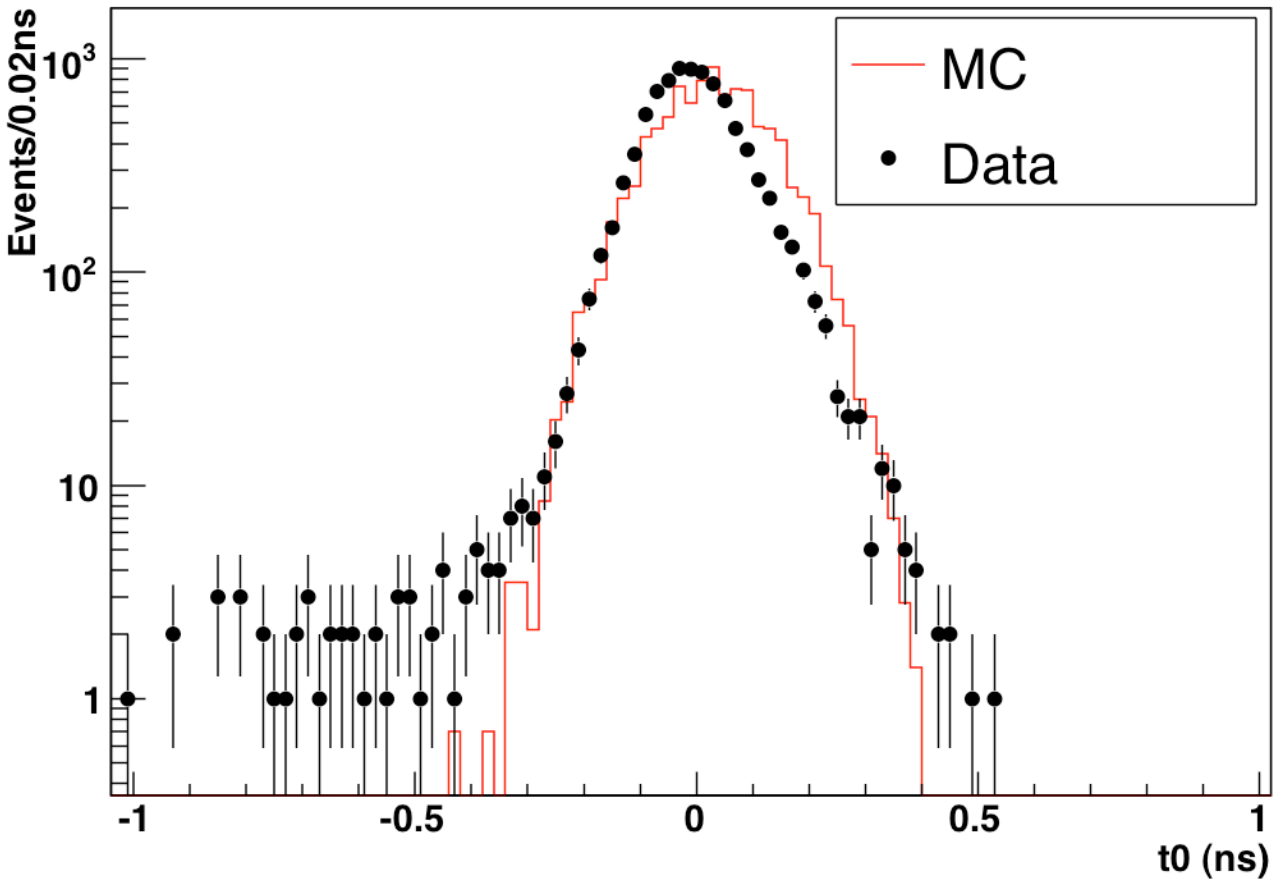
T0 Digitization



- "raw" times for the T0 counters are negative (plot above)
- To get valid digits I add an offset to the time so that it is > 0 and later subtract it out in the reconstruction stage.



- Reconstructed event t0 (evt->t0) from DST shown above for MC and Data
- The width of the T0 TDC was tuned via parameter for jitter width
- No temperature/slewing corrections for MC reconstruction

TOFDigitizer

- Created & populated tofbaradc table in calib db -- contains ADC means and widths for all bars(to update: run-by-run)
- Created interface to tofbaradc table and now digitizer reads from DB.
- Updated bpMC_TOF.xml so that TOFTReco gets run instead of the old reco.
- Digitizer & Reco. working on both TOF and T0 -- produces valid DSTs. Need to go through a run and verify.

CalDigitizer

- As Turgun showed earlier, the digitized EMCal is x2 higher than data; and HCal is lower by 20%.
- Tuned up the digitization scales for the Cals.
- Updated CalDigitzer to read in params via xml.
- HCal was also shown to be wider. This is most likely due to the smearing I had put in. Have now updated the smearing parameter to reduce the width.
- Need to re-run MC reco to verify.